

REMARKS

Claims 1, 2, 6-10 and 14-18 are pending in this application. By this Amendment, claims 1, 2, 6-10 and 14-18 are amended. Claims 3-5, 11-13 and 19 are canceled without prejudice to, or disclaimer of, the subject matter therein.

In section 2 on pages 2 and 3, the Office Action provisionally rejects claims 1-17 under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1, 3 and 15 of co-pending Application No. 10/655,304, claims 1 and 11 of co-pending Application No. 10/654,432, and claims 1, 11 and 12 of co-pending Application No. 10/657,108.

This rejection is respectfully traversed. The pending claims are patentably distinct from all of the claims upon which the provisional rejection is based as apparent from an inspection of the specific differences in the features of the respective claims. Applicant holds in abeyance a more specific traversal pending the allowance of one or more of the pending applications upon which the provisional rejection is based.

In section 3 on page 3, the Office Action rejects claim 1 under 35 U.S.C. §112, second paragraph, as being indefinite. Claim 1 is amended to address this matter. It is respectfully submitted that claim 1 is definite as required by 35 U.S.C. §112. Therefore, it is respectfully requested that the rejection of claim 1 under 35 U.S.C. §112, second paragraph, be withdrawn.

In section 4 on pages 3-5, the Office Action rejects claims 1-18 under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,603,429 to Bancroft et al. (hereinafter "Bancroft"). This rejection is respectfully traversed.

Claims 3-5 and 11-13 are canceled without prejudice to, or disclaimer of, the subject matter therein. Claims 6-9 and 14-17 are amended to change their dependency based on the cancellation of claims 3 and 11.

Claim 1, from which claims 2 and 6-9 depend, recites that "a distance between said planar element and said ground pattern is gradually increased so that the increase of said distance becomes saturated as being farther away from a straight line passing through said feed position, said antenna further comprises a resonant element connected to an end point of said planar element on said straight line passing through said feed position of said planar element, said planar element and said resonant element are symmetrical with respect to said straight line passing through said feed position of said planar element, and said planar element and said resonant element are formed on or inside a dielectric substrate."

Claim 10, from which claims 14-17 depend, recites that "a distance between a side surface closest to a feed position of said planar element among side surfaces of said dielectric substrate and said side edge portion is gradually increased so that the increase of said distance becomes saturated as being farther away from a straight line passing through said feed position, said dielectric substrate further comprises a resonant element connected to an end point of said planar element on said straight line passing through said feed position of said planar element, and said resonant element is symmetrical with respect to said straight line passing through said feed position of said planar element."

Claim 18 recites that "said second element is connected with a first edge part of said planar element, said first edge part being opposite to a second edge part of said planar element, said second edge part being adjacent to said ground pattern, and said planar element and said second element are symmetrical with respect to said straight line passing through said feed position of said planar element."

It is respectfully submitted that Bancroft does not disclose, teach or suggest the subject matter recited in the rejected claims, particularly the above-quoted subject matter. Specifically, 1) the antenna element of Bancroft has straight side edges; 2) the matching network 52 has an asymmetrical shape with respect to a straight line passing through the feed

position; and 3) Figure 16C does not indicate that the planar element and the ground pattern are juxtaposed to each other. Further, regarding claim 2, Bancroft does not disclose the subject matter recited therein. Furthermore, the second element and the planar element are "asymmetrical" with respect to the straight line passing through the feed position of the planar element. Still further, Bancroft discloses that the planar element is included in the dielectric substrate. However, the antenna element in Fig. 16C cannot be included in the dielectric substrate. Therefore, the subject matter disclosed in Fig. 16C cannot be combined with the subject matter disclosed in Bancroft.

For at least the foregoing reasons, it is respectfully submitted that claims 1-18 are not anticipated by Bancroft.

For at least the foregoing reasons, it is respectfully requested that the rejection of claims 1-18, as being anticipated by Bancroft, be withdrawn.

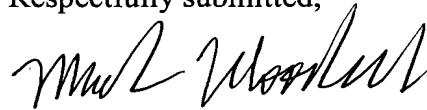
In section 6 on pages 5 and 6, the Office Action rejects claim 19 as being unpatentable over Bancroft in view of Fig. 16C of the specification. This rejection is respectfully traversed.

Claim 19 is canceled without prejudice to, or disclaimer of, the subject matter therein. For at least the foregoing reason, it is respectfully requested that the rejection of claim 19 be withdrawn. Furthermore, the subject matter of Fig. 16C and Bancroft cannot be combined for the reasons stated above in connection with the rejection of claims 1-18.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1, 2, 6-10 and 14-18 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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